



Fort Lauderdale – Hollywood International Airport Early Action Voluntary Residential Sound Insulation Pilot Program

Early Action Voluntary Residential Sound Insulation Pilot Program



AECOM





Fort Lauderdale - Hollywood International Airport Early Action Voluntary Residential Sound Insulation Pilot Program

Agenda:

- The Pilot Program Team
- The Pilot Program Goals
- Status of the Pilot Program
- Homes Eligible for Pilot Program
- Key Project Milestones
- Pilot Program Participation
- Standard Treatment Package
- Steps in the Process
- What's Next?



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The Program Team

- **Broward County Aviation Department**
(Program Sponsor)
- **The Urban Group**
(Prime Consultant & Contract Management)
- **AECOM**
(Program Management)
- **The Jones Payne Group**
(RSIP Management & Architect)
- **Dickey Consulting Services**
(Public Relations & Graphic Design)
- **Harris Miller Miller & Hanson**
(Acoustical Consultant)
- **RCT Engineering**
(Mechanical, Electrical & Structural Eng.)



The Program Goals

Acoustical goals: (as required by the FAA)

- Interior noise levels not greater than 45 DNL and;
- Minimum interior noise level reduction of 5 DB

Community Benefit Goals:

- Better living environment by creating quieter homes



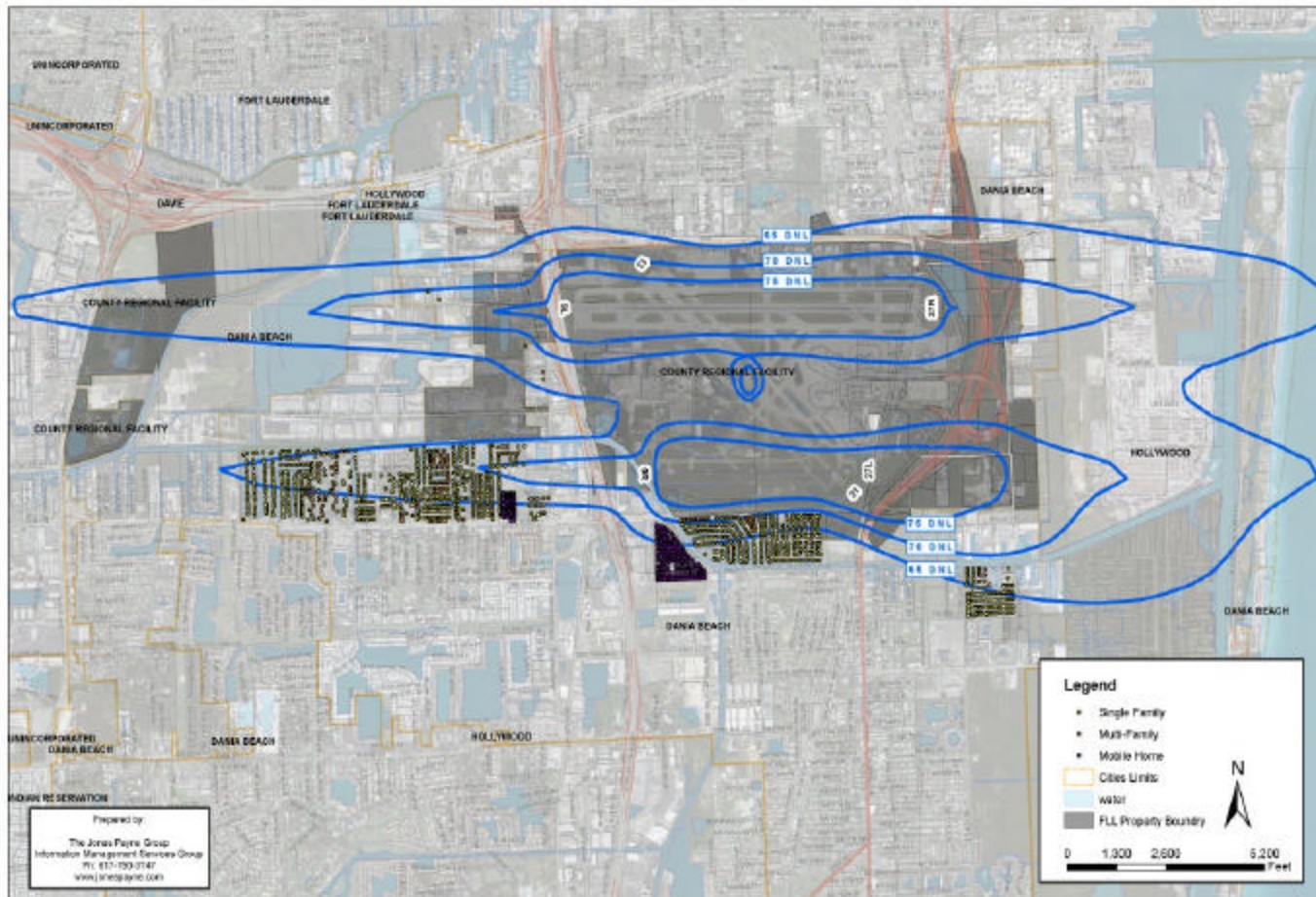
Status of the Pilot Program:

- Program Start Up is underway
- 50 Unit Early Action Pilot Program to begin in Spring 2009





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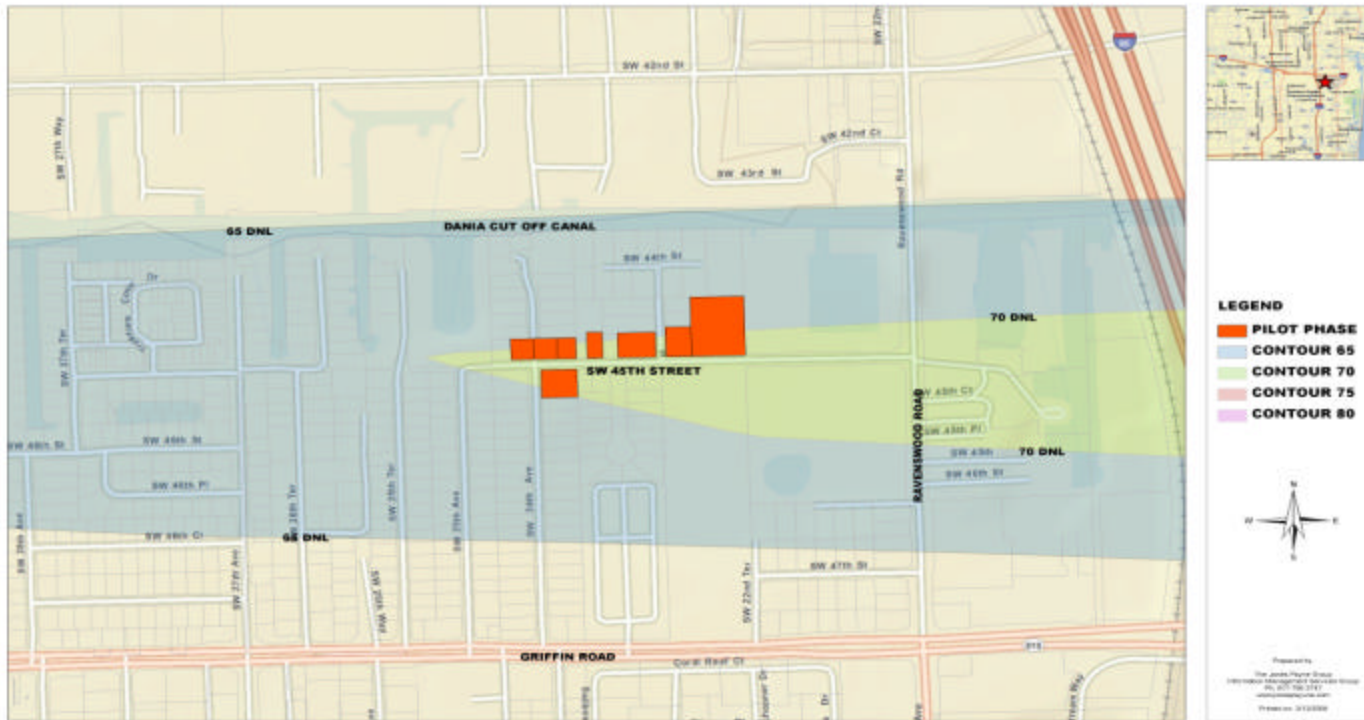
**Program Boundaries:
Based on FAA's Preferred Alternative**



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Area 1 Map: *West of FLL*

Homes Eligible for Pilot Program





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50 Unit Early Action Pilot Program

Homes Located in the Highest Noise Contour

Housing Types in 70 DNL Contour

- **Single Family**
- **Duplex**
- **Four-Plex**



Single Family



Duplex



Four-Plex



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Key Project Milestones (*)

- **Identify Eligible Pilot Homes:** 1st Quarter 2009
- **Open Program Office:** 2nd Quarter 2009
- **Conduct Assessment Visits:** 2nd Quarter 2009
- **Construction Bid & Award:** 3rd Quarter 2009
- **Commence Construction:** 4th Quarter 2009
- **Pilot Program Completion:** 4th Quarter 2010

(*) Approximate Dates

Pilot Program Participation



- Must be within FAA approved program boundary
- Homes experiencing the highest noise levels to be treated first
- Participating property owners must sign a Homeowner Participation Agreement form and an Avigation Easement

Standard Treatment Package

- Acoustical Windows
- Acoustical Doors
- Hurricane Protection (*)
- Central Air Conditioning (*)
- Ventilation Upgrade (*)
- Ceiling / Wall Modifications (*)
- Attic Insulation (*)

() Depending upon existing conditions*



EXISTING - JALOUSIE WINDOWS / DOORS



PROPOSED - ACOUSTICAL WINDOWS / DOORS

The Sound Insulation Process

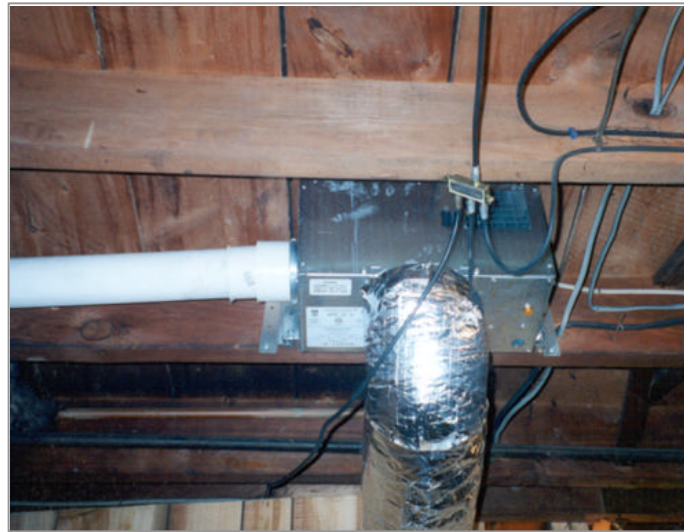
- Homeowner Outreach & Workshops
- Homeowner Application
- Home Assessment Visit (architectural & mechanical)



- Existing Conditions Plan
- Pre-Construction Acoustical Test



- **Mechanical and Electrical Systems**
 - Combustion Air
 - Adequate Fresh Air
- **Hazardous Materials Survey**



- Design Concept Package Review
- Homeowner Participation Agreement



General Parcel Requirements:	Photos:
<p>GENERAL & SPECIAL REQUIREMENTS</p> <p>Windows: Type: Vinyl Prime Color: White Storm Color: White Grilles: None applied</p> <p>Siding Type: Clapboard Storm Doors Color and Type: Bronze</p> <p>Based on visual inspection, this house has (trace metal) surrounds at heads, jacks and sills. (Contractor to confirm on shop drawings when required as part of steel/window installation.)</p> <p>Ceiling: All ceiling treatments are contingent upon structural investigation all areas of installation. If the existing structure is found to be deficient, then it is the Homeowner's responsibility to correct the deficiencies in order to receive the proposed treatments.</p> <p>Air Conditioning (Three-Wall): Cover and Sleeve for new A/C # 3 (A/C to be provided by homeowner) Cover for existing A/C: # 1. Verify location and type at the prework.</p> <p>HOMEOWNER PREWORK: - Provide clear access to all windows and doors being treated.</p>	  <p>Front Elevation:</p>   <p>Left Elevation:</p> <p>Right Elevation:</p> <p>DATE: 1/11/2009</p> <p>PROJECT: 0300000</p> <p>DESIGNED BY: PAL</p> <p>CHECKED BY: JAC</p>
<p>ip The Jones Payne Group in association with: Chonora, Allen</p> <p>30 Tech 2626 Harding Blvd. 90%</p> <p>Bark, Carville & Brown Architects Baton Rouge, LA</p> <p>Residential Sound Insulation Program</p> <p>Sheet No: 2 of 2</p>	



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- Publicly Bid to General Contractors
- Pre-Construction Activities
- Construction & Construction Admin.
- Post-Construction Acoustical Testing





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What's Next ?

- Pilot Program Field Office to open
- Eligible property owners will be invited to participate
- Conduct Homeowner Workshops
- Periodic newsletters to inform of program progress
- Program website to be launched



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Comments & Questions?



Thank you for your time